OCT 1 2 2007

K072679

Section I
510(k) Summary

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1. **Applicant's Name and Address**

Straumann US (on behalf of Institut Straumann AG)
60 Minuteman Rd.
Andover, MA 01810
Telephone Number: 800-448-8168, ext 2513
Fax Number: 978-747-0023
Contact Person: Elaine Alan
Regulatory Affairs Specialist
Date of Submission: September 20, 2007

2. **Name of the Device**

Trade Name: P.004 NC Temporary Abutments
Common Name: Abutment, Dental, Endosseous implants
Classification Name: Abutment, Dental, Endosseous implants
Regulation Number: §872.3630

3. **Legally Marketed Device to which Equivalence is Claimed (Predicate Device)**

Straumann P.004 Dental Implants, K062129
P.004 RC Temporary Abutments, K070478

4. **Description of the Device**

The Straumann P.004 Dental Implant System is an integrated system of endosseous dental implants, which are designed to support prosthetic devices for partially or fully edentulous patients. The system consists of a variety of dental implants, permanent and temporary abutments and surgical and prosthetic parts and instruments. The devices covered in this submission are temporary abutments.

The basal portion of the abutment has 4 grooves diametrically opposed that engage in the 4 protrusions of the P.004 implant. The abutment is seated in the implant with a screw which is mounted in the basal portion of the abutment. The abutment is used for cemented and screw-retained and directly veneered restorations. Healing abutments protect the inner configuration of the abutment and contours the soft tissue during the healing phase.

5. Intended Use of the Device

The NC Temporary Abutment is intended for use with the P.004 Dental Implant for temporary restoration of single crowns and bridges in the anterior and posterior region for use up to six months.

Healing abutments, often referred to as healing caps, are intended to be used with the P.004 Dental Implant to protect the inner configuration of the implant during the healing process and maintain, stabilize and form the soft tissue during this phase for up to six months and should be placed out of occlusion.

6. Technological Characteristics

The proposed abutments are substantially equivalent to the currently marketed devices. The intended use is **identical** to the predicate devices. The proposed abutment has the same material composition, basic design and fundamental operating principles to the currently marketed devices.

DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration
9200 Corporate Boulevard
Rockville MD 20850

Institut Straumann AG
C/O Ms. Elaine Alan
Regulatory Affairs Specialist
Straumann USA
60 Minuteman Road
Andover, Massachusetts 01810

OCT 12 2007

Re: K072679
Trade/Device Name: P.004 Abutment
Regulation Number: 21 CFR 872.3630
Regulation Name: Endosseous Dental Implant Abutment
Regulatory Class: II
Product Code: NHA
Dated: September 20, 2007
Received: September 21, 2007

Dear Ms. Alan:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

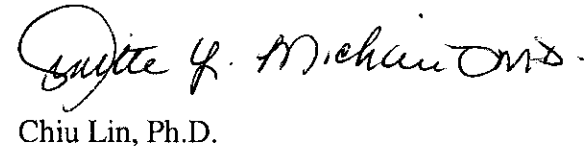
If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

This letter will allow you to begin marketing your device as described in your Section 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please contact the Office of Compliance at (240) 276-0115. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its Internet address http://www.fda.gov/cdrh/industry/support/index.html.

Sincerely yours,



Chiu Lin, Ph.D.
Director
Division of Anesthesiology, General Hospital,
Infection Control and Dental Devices
Office of Device Evaluation
Center for Devices and
Radiological Health

Enclosure

Indications for Use Statement

Device Name: P.004 Abutment

Indications for Use:

P.004 NC Temporary Abutment is indicated for use in Straumann P.004 NC Bone Level implants for temporary restorations of single crowns and bridges for up to six months.

P.004 NC Healing Abutment, customizable is indicated for use in Straumann P.004 NC Bone Level implants to protect the inner configuration of the implant and maintains, stabilizes and forms the soft tissue during the healing process for up to six months and should be placed out of occlusion.

Prescription Use ___X___ AND/OR Over-The-Counter Use_____
(Part 21 CFR 801 Subpart D) (21 CFR 807 Subpart C)

(PLEASE DO NOT WRITE BELOW THIS LINE-CONTINUE ON ANOTHER PAGE IF NEEDED)

Concurrence of CDRH, Office of Device Evaluation (ODE)

(Division Sign-Off)
Division of Anesthesiology, General Hospital
Infection Control, Dental Devices

510(k) Number: K072679